From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: PDouglas12@aol.com
Subject: [4528] ?New List
Message-ID: <951020110943_49565303@mail02.mail.aol.com>

OK, I know I talk too much. But I have to say, I get more pleasure out of this list than almost anything in the hobby. Just the way it is. It doesn't need improving, culling, or dividing. In my opinion it was even a mistake to make Dayton separate, and that division is already creating logistical problems. If you are not interested in a topic, delete it. If too much is being said about a topic in your opinion, it may be a good idea to politely ask that all postings about the topic contain a subject line with a key word to warn off the uninterested. (As we already are supposed to be doing with FOX postings.) But the list has been doing just fine for (?) going on its second year (I'm only on about a year, making me a newbie to some) and its growth is partly due to its eclectic appeal. And I also think the obligatory QRP thing isn't really necessary. (You know, that's where a perfectly good posting about an oblique topic has to have a postscript with a strong middle of the road QRP topic to make it palatable to the list police.) Topics that ought to be of interest to subscribers may not always have precisely limited QRP content. So what? If you think the group would find it interesting, why shouldn't you post it? OK, we don't use strong language here by unspoken convention--kind of like on the air, except on the list the manners are better!

The above is, I suppose, a form of flame. Sorry. But I can't help thinking the restriction mongers threaten the scope, and therefore, value of the list. And that is NG. I also can't help thinking the "silent majority" (let's hear it for Spiro Agnew) on this list is of like mind--they want to be free to address the group without worrying whether the topic belongs here or on Dayton-L or on Fox-L or on CW-L or QRP ARCI-L or whatever subdivision you can think of. Sorry, especially, for overseas subscribers who may have to pay for some "chaff" as they see it, but that is the price of freedom.
72, and malice toward none.
Preston WJ2V

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Walter.Thomas@ccmail.gsfc.nasa.gov
Subject: [4547] Capacitors, the ugly Truth, more facts
Message-ID: <9509208142.AA814232353@ccmail.gsfc.nasa.gov>

Submitted to qrp-l per requeest from Wayne N6KR. Prior permission must be obtained from the author before any publication.

//
Wayne:

More comments along the same vein. Last year I began wondering about capacitors and their losses and how they affected circuit performance. I did some research on different types of capacitors and their relative losses (measured by their DF - dissipation factor - which is inversely related to the Q). In fact, in the original version of the NorCal 40, I was impressed that you had used polystyrene capacitors in the LPF output filter and in the receiver input circuit.

My research showed that the following are low loss capacitors (i.e., DF is equal to or less than 0.1%): silver mica's, polystyrene's, ceramic NPO's or COG's, and polypropylene's (plastic film).

Other plastic film capacitors [polyesters (Mylar, Melinex, and Hostaphan are trade names for polythelene terephthalate, the real McCoy of polyesters) and polycarbonates] and high K ceramics typically have losses an order of magnitude higher, i.e., 1.0% DF's. Some high K ceramics may be even worse.

I thought about trying some experiments to use different capacitor types in the same identical circuits to see if I could measure any differences in losses, but I never got around to it - instead I opted for building NorCals and operating!

The cause for losses in ceramic capacitors is their ionic structure which has ions that "rattle around" inside a lattice structure and in AC circuits there is a loss associated with the energy used in moving these particular ions. NPO (and COG) capacitors are based on the basic barium titanate structures, hence they have the lowest K factors (dielectric constants) and lowest losses because they have no additional ions put into the structure. The higher K ceramics use "doping" of additional ions (elements) to increase their dielectric constants, but these added ions are the ones that "rattle" around inside the atomic lattice and cause additional losses.

To wit, component selection is important in circuit design. A capacitor in an electrical model (mathematical idealization of what is expected of the circuit) is "ideal," a theoretical abstraction of its function in the electrical circuit. In the real world, i.e., implementing the circuit with actual parts, the capacitor is not longer ideal, but has losses, frequency limitations, etc. The good designer has some knowledge of which particular device can be used to accomplish the intended circuit function.

73 Walt/WA4KAC/NorCal #523
//

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: bfinch@asp.vet.purdue.edu (Robert Finch)
Subject: [4574] cascade question, building

Message-ID: <9510210743.AA18437@asp.vet.purdue.edu>

i have found a discrepency between the boards, text,
parts list, and schematics concerning the xfmrs in
the rx filters on the plug in brds.

specifically the 75 meter board's silk screen agrees
with the text and parts list on number of turns, but
the schematic doesn't agree

on the 20 meter board the solk screen agrees with the
schematic but not the parts list or text.

uh shud i just follow the words (text) and ignore
any discrepencies tween the text and the boards
or schematics...(since the parts list agrees with
the text for both band modules?).....

i also found that the number of turns in some cases
didn't fit confortably on the toroid.i stepped down
a size to accommodate the turns in at least two instances
.....no big deal, but having sum 30 gauge mag wire
was nice......

anyways....can sumone give me the Correct poop on the
number of turns on the rx rf filter's xmfrmrs....?

tnxs in advance.....baab,n6cxb
bfinch@asp.vet.purdue.edu

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: dgf@netcom.com (David Feldman)
Subject: [4545] COMER Communications DSP-100 experience?
Message-ID: <199510202009.NAA25455@netcom14.netcom.com>

A company in San Diego makes a HF transceiver called the "DSP-100" which
is a pair of plug-in boards for a PC, along with outboard amplification.

Is anyone on the list using same?

73 Dave WB0GAZ dgf@netcom.com

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: genunn@mmm.com
Subject: [4537] CW Sweepstakes - logging
Message-ID: <199510201731.AA016190273@pigseye.mmm.com>

Hi folks,

I used a very slick freeware computer log for the California QSO Party that also supports the ARRL Sweepstakes. It is by AE6Y and is available in DOS and Windows versions. The Windows version is available by anonymous ftp from:

oak.oakland.edu in the directory
/pub3/hamradio/arrl/bbs/contests

The filename is cqp94win.zip

The DOS version is out there somewhere, but I don't know where.

In addition to logging, it will send the exchange for you if you have a keying interface for your PC's serial port. However, the documentation says the keying interface should be just like the one for Ct (a commercial contest log program), but does not describe the interface in detail. Does anyone have a complete description of this interface?

ObQRP:
I thought I had my first 1000 miles per watt qso last night with a station in NY, but when I double checked my power out after the qso, I found it had creeped up to almost 2 watts. Dratt! I've recently powered down to 1 watt from 5, but my IC-701 varies a bit as it warms up. Running the ICOM feels like cheating though - the Explorer II for 40 meters will make me feel "legit," but it will be a couple of weeks yet :-(

73,
Greg AA0XZ
--

Greg Nunn
Senior Systems Engineer
3M Electronic Products Division
(314) 886-1325 (work)
(314) 446-0944 (home)
genunn@mmm.com

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: kb0oxd@gw.n0tzl.ampr.org

Subject: [4535] Denver Radio Club Hamfest
Message-ID: <3038@gw.n0tzl.ampr.org>

Hello fellow QRPers:

Just got the information on a local hamfest that might be of interest to you. Here is the official flyer (minus the table reservation form, of course) info. as submitted to me:

THE DENVER RADIO CLUB 1995 ANNUAL HAMFEST AND ARRL SECTION CONVENTION
==========

Where: Jefferson County Fairgrounds
15200 W. 6th Ave.
Golden, CO 80401

When: Sunday November 26th. 8:00 a.m. to 2:00 p.m.

THREE FABULOUS GRAND PRIZES:
==========

First Prize: Kenwood TS50 or TS60 or TM733A Transceivers or $500 CASH
Second Prize: Kenwood TH22AT or TH42AT HT or $200 CASH
Third Prize: Multimeter

o Hourly Prizes

o Distributors

o Snack Bar

o ARRL Forum

o Technical Seminars

TALK IN: 147.330 Mhz (+) NO PL Tone =OR= 146.520 Simplex.
ADMISSION: $3.00
TABLES: $8.00 in advance/$10.00 at the door (DOES NOT INCLUDE ADMISSION)

To request further information or to make a table reservation, contact one of the two persons below:

Guy Reed, W5GR
29875 Troutdale Scenic Dr.
Evergreen, CO 80439
303-674-5389

=OR=

Bruce Kirkpatrick
303-450-0076
(Leave message with secretary if Bruce is not in)

==========

72/73's for now, my friends!

DE KB0OXD

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: bfinch@asp.vet.purdue.edu (Robert Finch)
Subject: [4530] Don't need no stinkin static badges
Message-ID: <9510201545.AA17892@asp.vet.purdue.edu>

Reading about the static damage has been fun.

I have been building electronic radios since i

was 12. I am now forty and have spent my working

life in electronic repair, systems design, and

various technical endeavors, much of it 'high

tech'.

I have NEVER static damaged a part to the best of

my knowledge.

I am sure the warnings are warranted. Just don't

worry about it, unless you work while walking

around on dry carpeting.

Nuff said.

Baab,n6cxb

bfinch@asp.vet.purdue.edu

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Walter.Thomas@ccmail.gsfc.nasa.gov
Subject: [4546] Electrostatic Discharge (ESD) Precautions
Message-ID: <9509208142.AA814232345@ccmail.gsfc.nasa.gov>

Posted to qrp-l per request from Wayne N6KR:

//

Wayne:

Interesting. I deal a lot with electronic parts used in space systems and obviously we are concerned with high reliability. Also, I do "ESD Surveys" where we inspect assembly and test areas for compliance to our agency's ESD control requirements at a government spacecraft construction facility. I'm very familiar with your concerns.

Three comments:

(1) One of my coworkers recently visited major lab on the West Coast which does most of the failure analyses for military and space systems electronics and they found that over 70% (that's right seven zero per cent) of failures in electronic components and systems were caused either by ESD failures or electrical overstress (i.e., too much voltage or an inadvertent short circuit). Caveat emptor.

(2) Most, if not all, MOS-type devices are susceptible to ESD. This includes power MOSFETS (e.g., TMOS, DMOS, etc.), regular (4 terminal) MOSFETS, and any of the integrated circuits based on MOS technologies, such as the CD4000 series. This is because they are constructed with very thin (micron-sized, on a scale of 10^-6 m) insulating layers which are easily punctured by excessive voltages.

Also, some of the newer types of capacitors and resistors are now considered to be ESD sensitive, mainly because of the very thin insulating or dielectric layers being used in today's miniature components So, passive devices also can be damaged by ESD discharges.

(3) Also, know that ESD damage can cause "latent" failures, that is, failures

which show up later after devices are operated at their nominal biasing. For instance, an overstress (ESD or other) can "crater" a metallization trace and reduce its width to, say, 50% of the original design width. Then, under normal operating conditions, this trace will experience twice the normal (design) current density. This can be great enough to cause the damaged path to eventually open up because of excessive current density. "Cratering" is a good description of what ESD damage looks like; I've seen scanning electron microscope photographs of ESD sites on MOSFET transistors and MOS IC's and they look as though a bomb has caused a crater - but on a microscopic scale, of course.

I do not have any wrist straps or all the stuff we use at work on my home bench, but being aware of ESD susceptibility of components, I do take precautions to handle ESD sensitive devices appropriately. Ground the soldering iron tip to a ground on the circuit board. Ground myself to same. Also I don't wear sweaters around the workbench when dealing with ESD devices. I have sometime resorted to immersing a device (semiconductor or IC) in water and then soldering it onto the board (with the above precautions); the board can be dried off later. (Note: moving air will generate static in itself, so a hair dryer may not be the best method for drying; I used my kitchen oven set to about 150 deg. F.)

FYI.

73 Walt/WA4KAC/NorCal #523

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Johnson_Dan@AAC.COM
Subject: [4569] First International Boatanchorite Hartley Oscillator Rallye
Message-ID: <9510210533.22639.aa@SMROUTER.AAC.COM>

Content-Type: text/plain; charset=US-ASCII

Gentlefolks of the simultaneous QRP and glow-in-the-dark radio persuasions:

I have obtained permission to cross-post this invitation from Bob Keys ("Boatanchor Bob"), NA4G, <rdkeys@unity.ncsu.edu>, of the BOATANCHORS reflector. It fits neatly into recent interest here in tube-based rigs.

A description of the event, excerpted from Bob's post, follows. The post also included detailed instructions, including schematic, for constructing a one-tube Hartley TX of 150-450 mW power INPUT. Bob's post was over 10KB, so I'll spare the uninterested among us for the time being. If you would like me to forward the entire post to you, please send private email to me.

72 de KC4EWT
Johnson_Dan@aac.com

- - - - - - - - - - - - C U T H E R E - - - - - - - - - - - -

[...]So, fellow Boatanchorites, I will throw down the gauntlet, and herewith put forth a basic invitation to the First International Boatanchorite Hartley Oscillator Rallye (or ``Hartley Happening'' for short as Bobbi was want to say).

The rules are simple.....

1. Use any sort of basic single tube 1920's style (preferrably ``1929 style'' to keep Ross Hull [rip] and T.O.M. [rip] happy and not due forthwith with another tirade and epistle to the young squirt!). A Hartley is preferred, although a goodly and well proportioned TNT (a favorite of my OM back in the early 30's) or TPTG or even a real Dow circuit would not be frowned thereupon.

2. Use a maximum plate input power of 1 watt. Remember if the boys in Australia in 1926 or so could make 1500 miles on 4 milliwatts, we should at least be able to transcon on 1 watt, right?

3. Use any receiver. But, preference is to be given to an older style regenerator, or at least to a real selfheating glassfet model rx.

4. Contact as many Boatanchorites as possible during the run. A generic call of ``CQ BAH DE yourcall K'' should be appropriate.

The date is not yet firmed up, but I will throw out the rules and call for discussion thereupon, and details will be battened down as they fall into place.

A tentative date might be early in November on a Friday night or a Saturday night or a Sunday night. A QRG of the middle of the novice band at say 3702 or so, and the low end of the band at say the usual Boatanchorite romping ground of 3527 +- QRM.

Here is my lowly attempt at a basic Boatanchorite world's simplest practical Hartley oscillator transmitter. The original appeared in Radio News, April, 1921, and the ``modern'' version first appeared in my book, ``The junior operator's guide to simple 1-tube Hartley oscillators. A practical compendium of all that junk you might want to know'', Proc. Raleigh Ama. Rad. Soc. Homebrew SIG, 26 June, 1991, 75pp. [...]

- - - - - - - - - - - - C U T H E R E - - - - - - - - - - - -
[END OF MESSAGE]

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: nf0r@slacc.com
Subject: [4575] Free Audio Amp Boards (LONG)
Message-ID: <9510210200.D8390rY@slacc.com>

Dear OM/YL:

The St. Louis QRP Society is the recipient of a large number of pcb's for an audio amplifier using the National LM380N integrated circuit. These were thoughtfully donated to our club by a local electronics executive and former ham.

SLQS would like to share our good fortune with the low power community through the smaller local/regional QRP clubs. These boards are perfect as the basis for a homebrew kit project. Or, your club may wish to distrubute the boards directly to members for individual building efforts. These are real amateur radio "freebies", no strings attached! We will also take care of shipping costs to your address.

Since the supply of boards is not endless we are discriminating! Therefore, organizations with large memberships and well-established resources such as ARCI, NorCal, Michigan QRP, New England QRP, NorthWest QRP, Colorado QRP and G-QRP as asked to take a seat until we determine just how much interest is out there at the smaller clubs.

SLQS is prepared to furnish your local/regional QRP club with up to one pcb per member plus six pages of camera ready documentation and application notes. We will also send along a complete sample kit. The application notes cover typical installations in a stand-alone amplifier and the 40-40 transceiver and are being expanded.

The boards are high-quality FR-4 glass-expoxy, plated, solder-masked, with a silk-screened parts overlay and measure 1.5" x 2.0". Your club or member will have to collect the LM380N, fourteen-pin DIP socket (optional), three electrolytics, two capacitors, three resistors and a 10K audio taper pot (optional, depending on the application). The amps put out a minimum of 2.5W and draw about 6.5 milliamps at 12V. These devices also work well at 9V. The board layout is excellent with ample space between component pads for easy soldering. There is room to drill mounting holes to suit any installation.

To confirm your club's interest send PRIVATE E-MAIL directly to "nf0r@slacc.com" with the subject "SLQS Audio Amp". Please do not

communicate through the QRP-List!

Include the name of your club, current number of members, number of boards required and an e-mail address. We will use you as the club contact person unless otherwise advised. SLQS would like to start distribution by November 6. Early responses will be helpful and appreciated.

SLQS hopes these boards will help your local/regional club undertake a kit project, particularly if there hasn't been an opportunity to do so already. We have produced eleven homebrew kits in St. Louis since 1987. Our most recent project is an audio amp using this same board. From experience we know that a pcb can sometimes be a major roadblock in kit logistics.

With your club's help SLQS looks forward to seeing this windfall supply of boards quickly transferred to many homebrewers.

We look forward to hearing from you.

73 de Dave, NF0R nf0r@slacc.com (for the St. Louis QRP Society)

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: KG7PV@aol.com
Subject: [4533] headphones
Message-ID: <951020121541_128671593@mail06.mail.aol.com>

Am curious which headphones QRP'ers use. Have found that the typical stereo phones are the wrong impendance for the 8 ohm output on a qrp rig. Have tried the mono 8 ohm communication phones from Radio Shack which actually work pretty well but there has to be a better way to go. Also would like them to cover my ears to help with the local qrm (3 kids). Thanks and 73 de Steve KG7PV

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Anibal Aguirre <aaguirr@aleph.fi.uba.ar>
Subject: [4576] help 80m ht info
Message-ID: <9510210706.AA11959@aleph.fi.uba.ar>

hi: help i` need info about 80m handies (xtal or synt), factory address or dealealer`s address.
thanks.

anibal aguirre
LU4DVJ

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: earwax@th.indy.net (Charlie Kuhn)
Subject: [4564] lists
Message-ID: <199510210039.AA15311@indy.net>

I think the answer to this thread is to start a new list called
"listpolice-l" and let those so inclined go there. It would be very
impolite to tell them where I'd really like them to go!

73 es GUD DX,

Charlie,N9NVV

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: bfinch@asp.vet.purdue.edu (Robert Finch)
Subject: [4531] more cascade errata?
Message-ID: <9510201547.AA17898@asp.vet.purdue.edu>

I have saved well over 20 messages about cascade

errata from here on the list. I have found some

more. I am only about half way thru,

so the list could get a bit bigger yet.

If I get some response; I can upload to here and/or

send a copy to those in need. Please let me know

what YOU want.

Baab,n6cxb

bfinch@asp.vet.purdue.edu

P.s. I haven't static damaged any parts yet.

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [4568] motherboard rfi
Message-ID: <9510210224.AA01227@wizard.ucs.sfu.ca>

I am planning on replacing the motherboard in my old AT. Has anyone
done any comparisons to see which boards are best from an rfi point of view?
My NEC multispeed is very noisy on 14mhz, so I am having to take this
into account in my upgrade plans. Yes, I know that the case is an important
factor, but I would like to minimize the problem at source.

cheers, Paul
ve7cqk
email: paul1@wizard.ucs.sfu.ca

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [4579] N.E.-QRP-C.(RENEWALS)
Message-ID: <199510211326.JAA08580@dartvax.dartmouth.edu>

Hello Gang,

The New England Qrp club has a new man on the job.

Bill Studley will be handling renewal memberships only.

Please renew to :

Mr. William Studley
133 Baboosic Lake Rd.
Merimack NH. 03054

de AA1IK N.E.-QRP-C. # 202 (Lead by example, It is better to)
(pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: bobhigh@primenet.com (Bob Hightower)
Subject: [4556] New List?
Message-ID: <199510210005.RAA11534@usr3.primenet.com>

Wow! I originally sent the message on this to see what people wanted to
read/hear about, and thought I might get a mixed bag of responses ranging
from 'good idea' to 'bad idea'....not so. EVERY response indicated that the
we, i.e. 'the list' should remain status quo. As Jim Eshleman stated, the
list has grown by 50% in the last 5 months.

I personally enjoy each and every message, including those reporting success
or failure in the fox hunt...maybe somewhat enviously as I don't currently
have a working qrp rig, but when the OHR order comes in I will. I just
wanted to see what the consensus was, as I have noticed some messages in the
past about cluttering up the list with too many messages, as I am now doing.

Anyhoo, thanks for the responses, and keep on keepin' on. I'll just keep on
lurkin' and learnin', at least until my rig comes in.
73,
Bob KI7MN NorCAl 1228, qrp-ARCI 8918

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: KG7PV@aol.com
Subject: [4534] Norcal audio
Message-ID: <951020121531_128671487@emout04.mail.aol.com>

Hi All, have a Norcal40 with most of the 40A mods. Have noticed that while
tuning the audio distorts but when I stop tuning the audio is fine.
Sorta makes it hard to tune in. Anyone have any ideas on where to look.
73 Steve KG7PV

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)
Subject: [4578] OHR-4-BAND-GRP.BUY ?
Message-ID: <199510211223.IAA32699@dartvax.dartmouth.edu>

Hello All, Is the group buy fo OHR 4 bander still on, if so can you please
tell me who to get in touch with. This isn't for me, I have a friend that
has no access to I-net and wants to know.

de AA1IK   N.E.-QRP-C. # 202   (Lead by example, It is better to   )
                                      (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: KT3A@aol.com
Subject: [4554] QRP and VHF
Message-ID: <951020190806_128972903@mail04.mail.aol.com>

Whoever said that you can't work VHF with QRP did not try the satellites.
Like RS-12. See WA8MCQ's article on same subject.
I've worked the contests with good results using LOS (line of sight).

72 de cameron, kt3a

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Bob Smith <bob@snuffy.penfield.ny.us>
Subject: [4573] St. Louis Tuner ?
Message-ID: <9510210448.AA12286@snuffy.penfield.ny.us>

Hello All,

Where do you find information on the St. Louis Tuner?

Thanks!

73,
N2YRJ

--
\ Bob Smith   \
 \ bob@snuffy.penfield.ny.us   \
  \ office|voice mail: +1 716 724-6186 \

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: PArland@aol.com
Subject: [4577] T-T Mdl 405 Linear Amp for sale
Message-ID: <951021071537_129286292@emout06.mail.aol.com>

Hi gang:

I have a Ten-Tec 405 linear amp that matches the Argo 505/509 transceivers for sale. It is in Exc + condition, works great (50 watts out on 80-10 mtrs with about 1.5 watts drive), manual included.

$150 and I ship.

Leave e-mail or call Rich, K7YHA at: (717) 825-5395 after 5 PM (EST).

73 rich

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: kd7s@valleynet.com (Bill Jones)
Subject: [4572] Two-Finger Keyer Paddles
Message-ID: <199510210341.UAA26260@sierra.valleynet.com>

I have been following the discussion on two-finger keyer paddles and would like to offer my own observations. I have been using converted computer mice as keyer paddles for several years and can attest to the fact that they work very well. I especially like them for QRP operation on camping trips. They are light weight and if you drop them on a rock, they keep right on working. Try that with a set of conventional paddles and you'll spend the rest of the camping trip bird watching. You can often get a non-working mouse free for the asking at computer repair facilities.   Take a look at page 12 of the July, 1994, QST for a picture of one of my MouseKey

creations. I also submitted a manuscript to QQ for consideration on how to make your own. Whether they will print it or not is another story.
==========
Bill Jones - KD7S
Sanger, California
Reply to kd7s@valleynet.com
==========

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Mike Connor <mikec@primenet.com>
Subject: [4543] VHF Qrp
Message-ID: <199510201918.MAA13524@usr6.primenet.com>

Group,
Just realized I've been doing Qrp on VHF for years.
Been doing FM work using a Kenwood 2600 HT at 2
watts into a rotatable rubber duck connected directly
to the transceiver (no coaxial line loss). Haven't worked much
DX, though...hi hi
7T2
Mike
NQ7K "Not Quite 7 Kilowatts"

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [4536] When and how you get static damage
Message-ID: <n1397933931.4344@msmailgw1.arlut.utexas.edu>

None of the posts that say "I never have static damage" have given us the full story.

What is your average local humidity? IF you live in 9M2 land, it IS highly doubtful that the foggy jungle will ever allow you to draw a spark to a semiconductor.

IF you live in El Paso, and it is the dead of a Jan. Winter, you can be in great pain yourself from the sparks you draw from a door knob after walking across the carpet.

Been there, done that--(both places).

Now, if the humidity is low, and you have a dry non static treated plastic

bag, and you drag the semiconductor out of it, you may create a problem. A fascinating demo is to place a neon bulb like a NE-2 in such a ordinary plastic bag in the dead of dry winter, and have a piece of Scotch tape closing the end of the bag. Dim the lights in the room, rip the tape off the bag and watch the 65 volts or more generated arc inside the bag and neon lamp!

Remember to use Pink Poly bags, or the metalized shiny mirror like bags, or black foam to store your sensitive semiconductors. Use a wrist strap or work in more humid conditons and you should be able to handle these just fine. The old trick of unraveling some stranded hook up wire, and using one strand to circle and short all leads of the sensitive semicondutor until you have it safely soldered into the circuit also will be a low cost, and easy preventative. Remember that just because you did not zap the device by not doing things right does not mean that down the road hidden degradation will not cause early demise. And for Fet front ends, don't leave them connected to antennas while you are using another (especially QRO) rig!

It is a lot like safe soldering, bad things can happen, but only if you pick up the wrong end of the iron, or put it in the wrong place! :-)

72 all,
Stuart K5KVH
rohre@arlut.utexas.edu

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: W5HNS@aol.com
Subject: [4570] RE: (4482) AOL REV 107.1
Message-ID: <951020231636_50123028@emout06.mail.aol.com>

I had the same experience as did K5ERJ. That being, unable to logon to AOL via "activating flash sessions now". So I logged on conventionally and the pop up window told me to "upgrade" my AOL2.5 to AOL2.5A. SO I DID!

Then had to install on Windows but couldn't do it normally. I was unable to dictate
on the run line where this file was. So I used my trusty QDOS utility, copied the
upgrade file to a floppy and then was able to install - actually SETUP!

After that was done everything on AOL functioned as usual. BTW. This new upgrade installs on your hard drive separately from your old version - not on top
of it! You can erase the old directory AFTER you transfer your files in the DOWN
LOAD subdirectory.

Hope this is beneficial to someone! Cheers!

Henry W5HNS
Pasadena, Texas

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Eugene S. Tehansky" <tehansky@atc.ameritel.net>
Subject: [4550] Re: ?New List - Newbie says...
Message-ID: <Pine.LNX.3.91.951020183112.12748A-100000@atc.ameritel.net>

I vote no change, for me this list has become a center of interest and a driving factor to keep me involved. It is too easy for me to just work at the computer and listen to the radio, and never transmit. This list has helped turn this trend around. It got to where I couldn't enjoy the magazines (ham) anymore. I had a subscription to Ham Radio Magazine, but they got gobbled by CQ. I was unhappy about that so I told them to stuff it for a while. With 73, I got tired of the Advertisements being on the adjacent page from the "unbiased" reviews. I told them to stuff it. Through it all has been QST, but that gets kind of repetative, the last years covers I can't even tell apart. Duel band FM radios, HF amplifiers, and a token every fourth month review of something other than what I want to know about (706, qrp+, ...) and the new record number of MFJ pages... Just doesn't hold the interest from month to month. With this list and the news groups and web for backup, I think twice about a $4.00 purchace of a magazine, usually for one article that has no meat to it anyway..... Yea, keep things like they are....

de aa3av Gene from Beautiful, Overcast Southern Maryland.

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4559] Re: Capacitors, the ugly Truth, more facts
Message-ID: <199510210028.VAA16748@public.compusult.nf.ca>

Walt,

Now that is what I call "Talkin Technical" (or whatever Chuck would say with his Texas accent). Thank you very much for your QRP Tech Topic on capacitors - great job.

73/72 Bob VO1DRB/WA6ERB

>Submitted to qrp-l per requeest from Wayne N6KR. Prior permission must be
>obtained from the author before any publication.

>
>//
>Wayne:
>
>More comments along the same vein. Last year I began wondering about
capacitors
>and their losses and how they affected circuit performance.   I did some
>research on different types of capacitors and their relative losses
(measured by
>their DF - dissipation factor - which is inversely related to the Q). In
fact,
>in the original version of the NorCal 40, I was impressed that you had used
>polystyrene capacitors in the LPF output filter and in the receiver input
>circuit.
>
>My research showed that the following are low loss capacitors (i.e., DF is
equal
>to or less than 0.1%): silver mica's, polystyrene's, ceramic NPO's or COG's,
>and polypropylene's (plastic film).
... CUT ....>

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |
|____|

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: V$BCIESLAK@china.qgraph.com
Subject: [4526] re:CW Sweepstakes
Message-ID: <01HWNPLQU8SI00PA32@hub.qgraph.com>

Looking foward to hooking up the timewave dsp-59+ to the Norcal 40. Wish
Iwould have had it last year. Maybe I'll beable to seperate all those signals
in that inch :-)

On another note I beleive their are categories for single band operation too,
isn't there.

I've had a lot of resposne to the QRP-L club affilitation for SS idea...Just
need to check a small detail about distance seperating club stations...

72,
Brian AE9K

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4558] Re: CW Sweepstakes - logging
Message-ID: <199510210028.VAA16742@public.compusult.nf.ca>

Greg,

If you're running the Icom IC-701 QRP then that is not cheating - that is a CLASSIC (in big letters) rig - the first real solid state rig and one that has made me an Icom fan for years.

Stay with the IC-701 and let everyone be envious - hi.

73/72 bob VO1DRB/WA6ERB

PS Thanks for SS log info

>Hi folks,
>
>I used a very slick freeware computer log for the California QSO Party
>that also supports the ARRL Sweepstakes. It is by AE6Y and is available
>in DOS and Windows versions. The Windows version is available by
>anonymous ftp from:
>
>oak.oakland.edu in the directory
>/pub3/hamradio/arrl/bbs/contests
>
>The filename is cqp94win.zip
>
>The DOS version is out there somewhere, but I don't know where.
>
 I've recently powered down to
>1 watt from 5, but my IC-701 varies a bit as it warms up. Running the
>ICOM feels like cheating though - the Explorer II for 40 meters will make
>me feel "legit," but it will be a couple of weeks yet :-(
>
>73,
>Greg AA0XZ

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |

|_____|

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4566] Re: Delta F Change
Message-ID: <199510210105.BAA20880@chuck.dallas.sgi.com>

>Have never heard of this....if you can provide more info I'd sure appreciate
>it Chuck. Thanks de Steve KG7PV

Steve,

I made it up. :-) Here is the thing. As you tune from R1 to R2 resistance values, the frequency changes from f1 to f2 and for thinking, lets say the delta-f is f2 - f1 and all points in between are linear, i.e. follow a straight line. As you tune through this range you expect to hear the tone follow a continually increasing or decreasing sequence rather smoothly.

The problem described where the tone "warbles" as we tune across a signal may:

a) really be due to a bad pot or worn pot as described by Wayne Burdick and others, i.e. the resistance changes are not linear with the angular change in the wiper position

b) or as I described be caused by a reaction by the operator in response to hearing the signal, thus changing the rate of tuning and/or backing up and overshooting and then correcting in an almost instantaneous fashion.

If a) due to dirty pot, then spray with contact cleaner and redo the experiment to see if it is still doing it. If it goes away, problem solved. If it doesn't then next drastic step is to replace the pot and try it. I believe that in most cases the "problem" will still remain. Let me know what you and others find out.

I have a NorCal 40a and the Wilderness 40a. Both have the same 10K from Mouser and both exhibit the same effect, i.e. "warble" when tuned in a certain fashion at slow turning rates. I know that the pots are good pots and brand new. Spraying does not change the situation. One rig (NorCal) is over one year old

and the Wilderness is less than six months old. The NorCal
probably has more air time.

FYI es qrp-l

dit dit

--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Thom <thom@li.net>
Subject: [4541] Re: Don't need no stinkin static badges
Message-ID: <Pine.SUN.3.91.951020150100.2363B-100000@linet01>

Only satic damage I ever encountered was while changing the TV from
Channel 2 to Channel 4 while wearing wool socks...blew a board in the
tuning panel.

Tom

thom@li.net

On Fri, 20 Oct 1995, Robert Finch wrote:

> Reading about the static damage has been fun.
>
> I have been building electronic radios since i
>
> was 12. I am now forty and have spent my working
>
> life in electronic repair, systems design, and
>
> various technical endeavors, much of it 'high
>
> tech'.
>
>

>
> I have NEVER static damaged a part to the best of
>
> my knowledge.
>
>
>
> I am sure the warnings are warranted. Just don't
>
> worry about it, unless you work while walking
>
> around on dry carpeting.
>
>
>
> Nuff said.
>
>
>
> Baab,n6cxb
>
> bfinch@asp.vet.purdue.edu
>
>
>

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: n2elw@ix.netcom.com (Larry Makoski)
Subject: [4571] Re: Don't need no stinkin static badges
Message-ID: <199510210321.UAA22945@ix7.ix.netcom.com>

You wrote:
>
>Reading about the static damage has been fun.
>
>I have been building electronic radios since i
>
>was 12. I am now forty and have spent my working
>
>life in electronic repair, systems design, and
>
>various technical endeavors, much of it 'high
>
>tech'.
>
>

>
>I have NEVER static damaged a part to the best of
>
>my knowledge.
>
>
>
>I am sure the warnings are warranted. Just don't
>
>worry about it, unless you work while walking
>
>around on dry carpeting.
>
>
>
>Nuff said.
>
>
>
>Baab,n6cxb
>
>bfinch@asp.vet.purdue.edu
>
>
>
Baab,

I've been working repairing high-end professional photographic strobes
here in NJ for 12 years now; and I have definitely killed a
semi-conductor at least once or twice due to static problems.

As the others were saying, usually in the dead of winter when the
humidity was really low. I have found that running a humidifier in the
room for an hour or two during those "dry" spells helps tremendously.

73 de N2ELW

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: af852@rgfn.epcc.Edu (William R Colbert)
Subject: [4542] Re: headphones
Message-ID: <9510201904.AA03040@rgfn.epcc.Edu>

I use several - one of the best is the Icom-HP-2, which, I believe,
are no longer being made, are excellent; HS30 (surplus 600 ohm) work

well, Telex 2k work well tho uncomfortable. The walkman type work
best on the 8 ohm output of the QRP+. The Radio Shack 4 or 8 ohm
work pretty well and are fairly comfortable.   Ray, W5XE

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Harry_Chase@smtpgwy.windata.com (Harry Chase)
Subject: [4525] Re: Mini-Circuits
Message-ID: <9509208142.AA814209120@smtpgwy.windata.com>

The new active mixers, most of which are of the "Gilbert cell" design,
are nice when you want the balanced mixer and low LO drive.   Some of
the newer ones will function up to 2400MHz these days, too.   Only
Analog Devices, though, has one (as far as I know) that's advertised
as being able to compete with the good old diode ring DBM for dynamic
range performance.   The diode ring mixers, like the SBL-1 (and a
huge host of others - look at a Mini-ckt's catalog) especially the
ones designed for use with a +17 or even +23 dBm LO level, are the
way to go for lower freq. receivers where QRM from the kilowatts , or
from commercial stuff, is a concern.

Harry
WA1VVH

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: CICIORA STEVEN JOSEP <ciciora@spot.Colorado.EDU>
Subject: [4555] Re: Mini-Circuits
Message-ID: <Pine.SOL.3.91.951020175238.24847C-100000@spot.Colorado.EDU>

I've wondered the same thing also, and my guess would be that although
the SBLs are better (more dynamic range? I've been told this, I'm not
sure), they are more like $10 -> $12 each, where NE602s are more like
$2.50 each. 602s are easier to find, and SBLs need RF amps. I think I'm
right; if not, hopefully someone will let me know.
  I've got a question about radio design. Why are there two filters, in
input bandpass filter and an output low pass filter? Could a good band
pass filter be used for bolth and the t/x relay go before the filter?

On Fri, 20 Oct 1995 cebik@UTKVX.UTCC.UTK.EDU wrote:

> With all the nice things being said about Mini-Circuits and their mixers
> and MMICs, I wonder if the next generation of QRP kits will be 602-less,
> using passive mixers and gain blocks for almost everything except
> oscillators. The SBL Special??? THere are already some fine rigs using

> this technology--see some English rigs, and NN1G uses one in his latest
> for 20 meters. The question in my mind is how far this avenue of
> technology can be driven with good results. Also, what will be the
> toroid-to-wind ratio relative to current designs of similar capabilities?
>
> -73-
> LB, W4RNL
>
>
>

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4560] Re: Mini-Circuits
Message-ID: <199510210028.VAA16736@public.compusult.nf.ca>

Steve,

March 1993 QEX " Birth of a 7-MHz Transceiver" by Zack Lau, KH6CP/1

Bug the NE QRP Gang - they have built a few.

Good luck 73/72 Bob VO1DRB/WA6ERB

>What issue of QEX had the write-up by Zack Lau that you are referring to?
>Thanks
>Steve Kd2Ed
>

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |
|____|

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Jim Kortge, NU8N" <jokortge@sun.lisp.com>
Subject: [4557] Re: more cascade errata?
Message-ID: <9510210014.AC02882@sun>

At 11:18 AM 10/20/95 EDT, you wrote:
>I have saved well over 20 messages about cascade
>
>errata from here on the list. I have found some
>
>more. I am only about half way thru,
>
>so the list could get a bit bigger yet.
>
>If I get some response; I can upload to here and/or
>
>send a copy to those in need. Please let me know
>
>what YOU want.
>
>
>
>Baab,n6cxb
>
>bfinch@asp.vet.purdue.edu
>
>
>
>P.s. I haven't static damaged any parts yet.
>
>
Only my opinion, but posting them to the list is fine with me. I am collecting any and all of the posts on the rig as the guys and gals (are their any?) put their rigs together.

I'm still working on the 40/17 documentation, and probably won't post it to the group unless there is general interest, simple because I don't think many of the Cascades are being built using the 40/17 option. Let me know if I'm incorrect in that assesment. I will post to the group when I have everything documented.

My $ .02 worth.

72/73....Jim, NU8N

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: markem@primenet.com (Mark Monninger)
Subject: [4567] Re: more cascade errata?
Message-ID: <199510210205.TAA12671@usr5.primenet.com>

At 08:21 PM 10/20/95 EDT, Jim Kortge, NU8N wrote:
..
>
>I'm still working on the 40/17 documentation, and probably won't post it to
>the group unless there is general interest, simple because I don't think
>many of the Cascades are being built using the 40/17 option. Let me know if
>I'm incorrect in that assesment. I will post to the group when I have
>everything documented.
>
I'd be interested in seeing the mods for 40/17. I've been thinking about going that route but I'm gonna build it 80/20 for now and maybe do the mods later. Mine's about 2/3 wired now...hopefully finish it up this weekend or early next week.

73... Mark AA7TA

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4561] Re: much thanks to all!!
Message-ID: <199510210028.VAA16733@public.compusult.nf.ca>

Hey Dave,

Where you going - it sounds like you are leaving us with all that praise. I just watched the last show of McNeil- Leir News Hour tonight - I can't take the pain of everyone leaving.

So stay around and add your qrp 2 cents every once in a while...

73/72 Bob VO1DRB/WA6ERB

>I have wanted to say how much I have enjoyed this list. I could easily
give up all other connection to the net except email as long as I have this
list (I am not!!!). Everyone is great, even when we get off the subject
:>). Thanks all!!!
>
>Dave, WB7DRU
>
>

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |

|_____|

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [4538] Re: New List?
Message-ID: <01HWNWFS1PG295QG0A@tntech.edu>

Well,

one of the main reasons I read this list is to hear about other
people's building experiences and what new kits are out there.

I was flooded with messages and it use to be a real pain having to
subscribe and unsubscribe to the list everytime I went out of town
or work got too hectic. I now just read the Archives off the Web
site. It allows me to ignore what I don''t want to read and read
by thread or date or author.. what more could anyone ask for.

73,72

Jeff, AC4HF

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: ak119@lafn.org (Rothan Maxwell)
Subject: [4549] re: New Lists?
Message-ID: <199510202151.AA14551@lafn.org>

All this talk about new lists. I think it's a great Idea
if someone wants to start a new list; because of a great
deal of interest in a given topic, e.g. Dayton-L.
However, I hope that the QRP-L stays focused on topics
that are loosely related to QRP. I for one enjoy the
operating reports that pertain to THE FOX!, arci contests,
30 meter propagation event, etc. I first became interested
in QRP operating before I became a Ham in 1981. I was
intrigued by the operating reports, and articles I read
in CQ magazine. As a result of these articles, I was
encouraged to not only become a Ham, but a QRPer as well.
In fact, My first QSO was QRP, using an HW8 at 2 watts on

40 meters. I like to say that I was Born a QRPer because
of this. Keep the operating reports coming Gang! and
Thank God for Ade Weiss, and CQ magazine.

de nu6u (max)

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [4552] re: NorCal 40 audio
Message-ID: <v02130503acade75ff82c@[199.170.106.28]>

Steve, the original NC40 had a very small VFO pot that can get noisy after a lot of use. "Noisy" in this case means that the carbon surface is wearing thin in spots. This is what you're probably hearing as you tune around.

Solution: replace the pot. Many people have replaced it with a 10-turn unit, but if you do this you'll need to add some kind of calibrated turns counter (like on an oscilloscope delay-time generator). (Another alternative is to use a frequency counter--in fact it was installing the 10-turn pot that forced me to finally build the KC1 keyer/counter!)

Hope this helps.

73,
Wayne
N6KR

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4540] Re: Norcal audio
Message-ID: <199510201859.SAA19896@chuck.dallas.sgi.com>

Steve,

I get the same distortion on both the 40a from NorCal and the 40a for the Wilderness Radio. It's a delta-f change rate associated with tuning into a signal and your autosensory/autofeedback/autorate-change in dialing to the hand/psychoautonomic kinda thing. I really do not believe it to be a electronic problem with the radio.

This will start a new thread, I'm sure.

BTW. I talked to Dick W. at OHR yesterday and we both agree that the
      only function of a zener in collector-to-ground is to serve and
      protect the PA during high SWR conditions. It serves no function
      whatsoever to reduce spurs etc. Dick has watched on a spectrum
      analyzer the before and after effects on the zener alone and has
      not noticed anything. Usually the filter design for the output
      filter may account for the small amount of capacitance of the
      diode.

I love it when we talk technical. :-)

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Eugene S. Tehansky" <tehansky@atc.ameritel.net>
Subject: [4565] Re: OH2GI in JARTS
Message-ID: <Pine.LNX.3.91.951020210053.16158B-100000@atc.ameritel.net>

Well, the 80 meter numbers look ok, but that 40 meter number kind of hits
us poor old qrp'ers right tween the eyes! Oh well!

??? Who and for where are the the "band plan"/"suggested" qrp frequencies
set. Is this an arrl (us) thing cause 7030 is the European suggested
frequency. Is there a bigger picture available or how do the suggested
qrp frequencies work out worldwide.....???

On Fri, 20 Oct 1995 juhola@ibm.net wrote:

> Jukka, OH2GI, informs he will be defending his previous year's positions
> with some new antennas for 80 m. On 40 m he has a 2-el KLM already.
>
> On 7035-7042 kHz please look for him both days:
> - the Americas 05.00 - 07.00 UTC
>   having his 2nd VFO on 7080-7090 kHz for the Americas.
> - Japan/NZ/Australia 18.00 - 22.00 UTC
>
> On 3580-3590 kHz:
> - the Americas 03.00 - 05.00 UTC
> - JA/ZL/VK 16.00 - 18.00 UTC
>   having his second VFO on 3520-3525 kHz for JA's

>
> 73 and good luck to all of you.
>
> Tapani Juhola, OH2LU.
> juhola at ibm.net
>
> --
> Submissions: wf1b-rtty@eng.pko.dec.com
> Administrative requests: wf1b-rtty-REQUEST@eng.pko.dec.com
> WWW: http://ids.net/~wf1b/home.html
> Questions: reisert@eng.pko.dec.com
>

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Warren E. Lewis" <saswel@unx.sas.com>
Subject: [4532] Re: QST es SS
Message-ID: <199510201555.AA20460@cardamom.unx.sas.com>

----- Chuck Adams Writes -----
>
> 2. "South Texas Stealth Sweepstakes" by Paul Schaffenberger, KB8N.
>   Pay attention to page 52 for the FAQ.

This guy is an amazing contest op. I think they said that he could make over 70 contacts per hour in search and pounce mode. I think my best was around 15 in last years sweepstakes!! If I can just get my code speed into the mid 20s and 30s that would help a great deal. I typically have to listen to the faster code speed guys exchanges a couple of times before I feel comfortable enough calling them. This really can slow you down particularly if they have a long dry spell with no one answering their CQ TESTs. A good many of these fast guys don't do a good job of matching your calling speed. It always gives me a good feeling when I call someone at about 5-10wpm slower than they are sending and they match my speed. It winds up saving both of us time because I then do not have to ask for any repeats.

I have also finally gotten enough confidence in my code copying ability to try running rate a bit. I did this off and on during the ARCI test last weekend and had pretty good success. I actually had W8MVN Ernie call me while I was running rate!!

For those folks who want to increase their code speed. I am living proof that November Sweepstakes is a quick way to gain speed. I went from about 10wpm to about 20wpm during

the contest last year.

Also I have only 2 more states for my WAS Award. I am hoping
to find SD and AK this year during the Contest. If I can't
do it this year, I will be putting up some new antennas
just for the occasion next year.

   See ya in the test - Warren

--
Warren E. Lewis   saswel@unx.sas.com
Technical Support Division   (919) 677-8001 x6542
SAS Institute Inc.   PP-ASEL
Cary, NC   AD4ZE   DOD#0021

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: [4562] Re: Smallers, dollars & contests et al.
Message-ID: <199510210028.VAA16745@public.compusult.nf.ca>

Nils,

You need the luck of the Irish (well I'm not actually Irish - just a lucky
Polish/Ukrainian kid) - I got ten-ten number 15007 or as I say

" One Five Double Ohhh Seven - James Bond that is" Over....

73/72 Bob VO1DRB/WA6ERB - thinkin of givun 10 cw QRP a try this weekend..

>I must be an ol' fuddy-duddy about language 'cause every time
>I hear someone say "My number is twenty-seven thousand, three-hundrend
>twenty-nine dollars and ninety-eight cents" I cringe. It just reminds
>me of two things: (1) I actually do have a Ten-Ten Number, and (2) the
>passing of numbers as monetary units sounds an awful lot like the HFX
>number tossers what used to (and probably still do) inhabit that section
>of the rf spectrum between 27.455 and 29.7 MHz. You've heard 'em, ain'tcha
>good buddy four-a-tory-roger?
>

| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@public.compusult.nf.ca |
| bgobrick@terra.nlnet.nf.ca |
| Compuserve: 70466.1405@compuserve.com |

|_____|

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: mont@netcom.com (Mont Pierce)
Subject: [4580] Re: Ten Ten CW Contest (oops)
Message-ID: <199510211343.GAA01588@netcom10.netcom.com>

> One of the things that Ed did not mention is that by working 10 or more
> Ten Ten members you can become a member. You need to know about this
> club anyway 'cuz when the spots come back and you get on ten meters
> you will hear people talking about money all the time. Like five
> hundred dollars and ten cents, means that their Ten Ten number is 51030.
> It makes it much easier to exchange numbers that way.

oops, not quite right old chap. ten-ten number 51030 would be "FIVE
HUNDRED TEN DOLLARS AND THIRTY CENTS".

72, de km6wt (10-10 # 64120, bay area chap # 498)
--
Mont Pierce

+---+
| Ham Call: KM6WT   Internet: mont@netcom.com |
| bands: 80/40/20/15/10/2 |
| modes: cw,ssb,fm |
+---+

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [4581] Re: Ten Ten CW Contest (oops)
Message-ID: <199510211359.NAA21494@chuck.dallas.sgi.com>

Mont,

My mistake. I didn't catch the typo. That's why we have this group
together. :-)

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: JCoote@aol.com
Subject: [4563] Re: The Plusses of Code
Message-ID: <951020203832_76058292@mail06.mail.aol.com>

My two cents worth on code:

During a special operation, our group had a difficult communications problem:
 Keep in touch from a high-rise hotel room with a communications van from
5-150 KM and keep in touch with a fixed station in another city at 350 kM.

Band changes were no problem, even in the mobile. We could cover any
frequency from 1.8-30 Mhz.

Conditions and QRM were a problem. One night both were so poor we had to
resort to 1990 kHz and then use CW to get through the noise. We had SSB,
Packet, all of the TOR modes and RTTY but it was CW (even in the mobile) that
kept us in touch day and night.

73, Jay
WB6AAM

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: dgf@netcom.com (David Feldman)
Subject: [4544] Re: VHF Qrp
Message-ID: <199510201942.MAA22126@netcom14.netcom.com>

Mike Connor <mikec@primenet.com> writes,

>NQ7K "Not Quite 7 Kilowatts"

It just dawned on me that VHF QRP must be more popular in Japan. I have
been looking at some basic product info on a series of SSB/CW HT-type
products made in Japan, for 144, 430 and 1294 MHz. The 144 and 430 products
are HTs (ala MIZUHO), the 1294 MHz product is a 1/10 watt transverter. All
are designed for HT-style usage (the transverter piggy-backs on the 144 MHz
HT, giving a thick hand-held case). Unfortunately, they are VERY expensive
(yen-itis) and conversion of the 430 and 1294 MHz products to 432 and 1296
MHz is at best quite difficult and not supported by the factory. Nonetheless,
the idea that there are JA hams running around with their 0.1 watt, 1294 MHz
SSB hand-helds is pretty intriguing!!!

73 Dave WB0GAZ dgf@netcom.com

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: lhalliday@creo.bc.ca
Subject: [4548] Re: VHF Qrp
Message-ID: <9509208142.AA814224378@mail.creo.bc.ca>

On Wed, 18 Oct 1995, Harry Chase wrote:

> Speaking of VHF qrp, does anyone make/is anyone considering making-
> a VHF qrp kit radio that'll do SSB/CW???

You could do this quite easily with off-the-shelf stuff. Buy an R2 kit
from Kanga, whomp up a VXO or premixed VFO, and add a simple amplifier
for more output power (MAV-11, 2N3866, etc). Wire up some TR
switching. Done! If you want SSB, use the VFO/VXO you just built and
add a T2 exciter, also available as a kit from Kanga.

A preamp may be useful - 2dB NF is all you need, which is easy to
attain (e.g. MRF901).

Laura Halliday VE7LDH

lhalliday@creo.bc.ca
ve7ldh@amsat.org

"C'est une femme mutine, assez
 elegante, grave et legere, ayant
 le sens du confort et du plaisir
 en tout." - C. Deneuve

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Norman E. Fink" <norm@uu1238.flowerslabs.com>
Subject: [4527] Re: VHF QRP freak condx
Message-ID: <9510201522.AA07070@flowerslabs.com>

Concerning the freak VHF condx, it must be the IC-22A!

Back in the mid seventies, I had a similar experience. At the time, we were
living

in a suburb northwest of Chicago. I had just gotten my first 2-meter rig, an
IC-22A .
I built up a small yagi antenna from the VHF handbook using a broom stick and some
straightened coat hangers. While testing the antenna, I was able to work a ham
through a
repeater in West Palm Beach, Florida. I haven't done anything like that with any

of my other
2-meter rigs, so, it must have been the IC 22A!

Does anyone know where I can find one for sale?

Memories...

Norm, K2NF

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: "Eugene S. Tehansky" <tehansky@atc.ameritel.net>
Subject: [4551] Re: VHF QRP freak condx
Message-ID: <Pine.LNX.3.91.951020184741.12748B-100000@atc.ameritel.net>

Now Norm, that is how rumors start. It would have to have happened three
times to have absolute proof it was the radio! :-) de aa3av Gene.

On Fri, 20 Oct 1995, Norman E. Fink wrote:

> Concerning the freak VHF condx, it must be the IC-22A!
>
> ...I had a similar experience. ...
> ... I haven't done anything like that with any of my other
> 2-meter rigs, so, it must have been the IC 22A!
> ...
> Memories...
>
> Norm, K2NF
>

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Scott Cranston <cranston@zk3.dec.com>
Subject: [4529] Re: VHF+ QRP
Message-ID: <9510201509.AA07155@alpha.zk3.dec.com>

> Two of the best spots in the Northeast, Slide Mountain and
> Grand Manadnock, have no roads to the top--an excellent
> opportunity for someone willing to hike up with QRP gear.

Several years ago My wife and I hiked up Grand Manadnock (South Western NH,
FN43 I think???) with my Icom 202/402/502 radios (~3 watts PEP), antennas

and a gelcel for the June contest to just enjoy the hike, swat at blackflies, have fun and give out points.... 2m and 432 into ENY, WNY, NJ, EPA, WPA were routine.... of course ~3100 ft elavation, of course having lots of contact hungry stations listening hard with big antennas on the other end helps :^)

In any event, from the home QTH using the IC502 (6m SSB/CW) barefoot into a big beam, from central southern NH I have 42 states confirmed (including Hi) and several confirmed European, Mexican and South American contacts. It has taken many years to do this... using my Collins KWM2A and 62S1 I probably could have had 6M WAS by now... but not as much fun. Its no magic just as in doing well on HF... antenna setup, mostly right place at the right time, patience, pursistance. I generally have good consistency working from home QTH the New England States, Long Island and ENY with the IC202 (2m) into a 'Big Wheel' antenna.

6m is a great [QRP] band.... if the bands open you don't need much power, if the bands not open you also don't need much power.

There is also QRP access to the satellites... just getting into them on VHF/UHF at QRP power levels (of course into high gain antennas) is fun.

Scott

From qrp-l@lehigh.edu Sat Oct 21 14:35:00 1995
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [4553] Re: VHF+ QRP
Message-ID: <Pine.SUN.3.90.951020160507.9706A-100000@vortex>

On Fri, 20 Oct 1995, Scott Cranston wrote:

>
> > > Two of the best spots in the Northeast, Slide Mountain and
> > > Grand Manadnock, have no roads to the top--an excellent
> > > opportunity for someone willing to hike up with QRP gear.
>

Hmmmmmm, here in Northern Nevada, (Reno area), I have some equipment on Slide Mountain. Elevation is about 9,900'. Road stops about 1/4 mile from the site. (And about 500' below.)

Might have to give that site a good test one of these days!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
...ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....